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MAT-8859US

Application No.: 10/583,044
Amendment Dated: August 3, 2009
Reply to Office Action of: May 12, 2009

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A loudspeaker comprising

a frame,

a magnetic circuit held by the frame,

a voice coil body disposed so as it can move freely in a magnetic gap of the magnetic circuit,

a diaphragm whose outer circumferential end is connected to the frame via a first edge, and

a suspension holder whose outer circumferential end is connected to the frame via a second edge; and

a supporting section attached to the voice coil body, wherein:

a diameter of an inner circumference of the suspension holder is greater than an outer diameter of the voice coil body while a diameter of an inner circumference of the diaphragm is greater than the diameter of the inner circumference of the suspension holder,

the suspension holder has an inner circumferential portion which is disposed on a top surface of the supporting section and the inner circumferential portion is coupled via only an adhesive to the voice coil body, and

the diaphragm is disposed on and in contact with the suspension holder at an inner circumferential end of the suspension holder such that the diaphragm is supported by the suspension holder.
2. (New) A loudspeaker comprising:

Application No.: 10/583,044
Amendment Dated: August 3, 2009
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MAT-8859US

a frame,

a magnetic circuit held by the frame,

a voice coil body disposed so as it can move freely in a magnetic gap of the magnetic circuit,

a diaphragm whose outer circumferential end is connected to the frame via a first edge, and

a suspension holder whose outer circumferential end is connected to the frame via a second edge; and

a cylindrical supporting section attached to the voice coil body, wherein:

a diameter of an inner circumference of the suspension holder is greater than an outer diameter of the voice coil body while a diameter of an inner circumference of the diaphragm is greater than the diameter of the inner circumference of the suspension holder,

the suspension holder has an inner circumferential portion which is disposed on a top surface of the supporting section and is coupled via an adhesive to the voice coil body, and

the diaphragm is disposed on and in contact with the suspension holder at an inner circumferential end of the suspension holder such that the diaphragm is supported by the suspension holder.

3. (New) A loudspeaker comprising:

a frame,

a magnetic circuit held by the frame,

a voice coil body disposed so as it can move freely in a magnetic gap of the magnetic circuit,

Application No.: 10/583,044
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MAT-8859US

a diaphragm whose outer circumferential end is connected to the frame via a first edge, and

a suspension holder whose outer circumferential end is connected to the frame via a second edge; and

a supporting section attached to the voice coil body, wherein:

a diameter of an inner circumference of the suspension holder is greater than an outer diameter of the voice coil body while a diameter of an inner circumference of the diaphragm is greater than the diameter of the inner circumference of the suspension holder,

the suspension holder has an inner circumferential portion which is disposed on a top surface of the supporting section and is coupled via an adhesive to the voice coil body, the inner circumferential portion extending upwardly from the top surface of the supporting section, and

the diaphragm is disposed on and in contact with the suspension holder at an inner circumferential end of the suspension holder such that the diaphragm is supported by the suspension holder.